STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 1

STATION	STATION	POS.	ASKEW	PIPE ID		INLET/OUTLET TYPE		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB		DEPTH DI	CONC CLASS B	REINF STEEL	DI GRATE	CHAN ELEV	CRM	TRENCH EXCAVATION		COMM EXC	UNC CHAN EXC	STRUCT EXCAV	GRAN BKFILL STRUCT	GRAN BORR	EROS MATT	STONE FILL		MARKER POSTS		REMARKS
				EXISTING	PROPOSED	INLET	OUTLET	SPAN IN	RISE IN	L FT	D IN	L FT	PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	PCCSP PI TH	NO. DEG.	EA	EA		FT	CY	LBS	TYPE	EA	CY	EARTH CY	ROCK CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT EA	RT EA	
9+44	9+87	RT			1						18	42					X												24.2					3.3			1.3	I			DRIVE, STONE PAD AT INLET & OUTLET
9+47	9+79	RT		1																									9.0												REMOVE EXISTING 15" CPEP
11+36	11+66	RT			2						18	30					X												20.9					3.0			1.3	I			DRIVE, STONE PAD AT INLET & OUTLET
11+37	11+62	RT		2																																					REMOVE EXISTING 18" CPEP BY COMMON EXCAVATION
13+42	13+80	LT			3A						12	40					X												6.9					3.0							DRIVE
13+52	13+76	LT		3																									12.9												REMOVE EXISTING 15" CPEP
14+00	18+51	RT			4																																				GRASS LINED TREATMENT SWALE
15+73		C/L		4																																					REMOVE EXISTING 48" CMP (CATTLE PASS) BY ITEM 529.15 REMOVAL OF STRUCTURE
17+84	18+23	LT			5						18	40					X												21.1					2.8			6.3	I			DRIVE, STONE PAD AT INLET & OUTLET
17+91	18+32	LT		5																									9.8												REMOVE EXISTING 12" CPEP & HEADWALLS(2) BY TRENCH EXCAVATION
18+57	18+97	RT			6						18	40					X												25.5					4.8			1.3	I			DRIVE, STONE PAD AT INLET & OUTLET
18+62	19+03	LT		6																									9.8												REMOVE EXISTING 15" CPEP
18+74	19+06	LT			7						18	32					X												17.1					3.4			2.1	I			DRIVE, STONE PAD AT INLET & OUTLET
18+75	18+93	RT		7																									4.6												REMOVE EXISTING 15" CGMP
19+03	19+50	RT			7A																																				GRASS LINED TREATMENT SWALE
23+94	24+25	RT			8						18	30					X												20.3					2.8			2.0	I			DRIVE, STONE PAD AT INLET & OUTLET
23+95	24+25	RT		8																									4.9												REMOVE EXISTING 15" CGMP & HEADWALLS(2) BY TRENCH EXCAVATION
29+46		C/L		9																																					REMOVE EXISTING 66" CATTLE PASS ACCGMP BY ITEM 529.15 REMOVAL OF STRUCTURE
34+25	35+75	RT			9																																				GRASS LINED TREATMENT SWALE
35+69	36+09	RT		10																																					REMOVE EXISTING 15" CGMP BY COMMON EXCAVATION
35+81	36+20	RT			10						18	40					X												30.2					4.0			1.3	I			DRIVE, STONE PAD AT OUTLET & INLET
36+26	37+67	RT			10A																																				GRASS LINED TREATMENT SWALE
36+38		RT		11																																					RETAIN EXISTING 15" CGMP
37+73	38+22	RT			11						18	50					X												37.5					4.2			1.3	I			DRIVE, STONE PAD AT OUTLET & INLET
37+76	38+16	RT		12																																					REMOVE EXISTING 12" CGMP
38+28	40+10	RT			11A																																				GRASS LINED TREATMENT SWALE
40+42		C/L			12	HDW/WWS	HDW/WWS				60	70					X							45.96	9622									331	135.1			138.2	III	1	1	REMOVE EXISTING 30" RCP & HEADWALLS
43+75	44+17	RT			13						18	42					X												27.5					3.8			1.3	I			DRIVE, STONE PAD AT INLET & OUTLET
43+77	44+08	RT		13																									13.1												REMOVE EXISTING 12" CGMP
44+24	44+78	LT			13A																																		15.9	II			NEW 4' WIDE TYPE II STONE DRAINAGE DITCH
44+54		C/L		14																																					REMOVE EXISTING 5' X 5' CONCRETE BOX CULVERT, HEADWALLS & WINGWALLS BY ITEM 529.15
44+76	45+37	LT			15	CB					24	62					X			1		7.33				B(2)			138.8					41.2					1		CLOSED SYSTEM, STONE FILL DITCH AT OUTLET
45+41	47+63	LT			16	CB	CB				18	222					X			1		7.33				B(2)			220.3					147.8					1		CLOSED SYSTEM
SHEET - 1 SUBTOTAL											12	40					X																					18.2	I	4		
											18	568					X			1																	15.9	II			
											24	62					X			1						B(4)			654				331	359.2			138.2	III			
											60	70					X							45.96	9622																

PROJECT NAME:	CHARLOTTE
PROJECT NUMBER:	F EGC 019-4(20)
FILE NAME: d78d062_frm.dgn	PLOT DATE: 15-MAR-2016
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: B. KIPP	CHECKED BY: B. KIPP
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